

#3

3/1



# ENTERED

OIPPE

## RAW SEQUENCE LISTING

DATE: 02/26/2002

PATENT APPLICATION: US/10/067,543

TIME: 13:48:17

Input Set : A:\seqlist 0942\_5230001 ascii

Output Set: N:\CRF3\02262002\J067543.raw

```

5 <110> APPLICANT: Byrd, Devon
7   Young, Alice
9   Hartley, James
13 <120> TITLE OF INVENTION: Compositions and Methods for Molecular Biology
17 <130> FILE REFERENCE: 0942.5230001
C--> 21 <140> CURRENT APPLICATION NUMBER: US/10/067,543
C--> 21 <141> CURRENT FILING DATE: 2002-02-07
21 <150> PRIOR APPLICATION NUMBER: 60/266,846
23 <151> PRIOR FILING DATE: 2001-02-07
27 <160> NUMBER OF SEQ ID NOS: 25
31 <170> SOFTWARE: PatentIn version 3.1
35 <210> SEQ ID NO: 1
37 <211> LENGTH: 23
39 <212> TYPE: DNA
41 <213> ORGANISM: Escherichia coli
45 <400> SEQUENCE: 1
46 aattagtatg ttgtaactaa agt                                     23
49 <210> SEQ ID NO: 2
51 <211> LENGTH: 23
53 <212> TYPE: DNA
55 <213> ORGANISM: Escherichia coli
59 <400> SEQUENCE: 2
60 aataagtatg ttgtaactaa agt                                     23
63 <210> SEQ ID NO: 3
65 <211> LENGTH: 23
67 <212> TYPE: DNA
69 <213> ORGANISM: Escherichia coli
73 <400> SEQUENCE: 3
74 atataggatg ttgtaactaa tat                                     23
77 <210> SEQ ID NO: 4
79 <211> LENGTH: 23
81 <212> TYPE: DNA
83 <213> ORGANISM: Escherichia coli
87 <400> SEQUENCE: 4
88 cattagtatg ttgtaactaa atg                                     23
91 <210> SEQ ID NO: 5
93 <211> LENGTH: 21
95 <212> TYPE: DNA
97 <213> ORGANISM: Escherichia coli
101 <400> SEQUENCE: 5
102 ttaaagtatg ttgtaactaa g                                     21
105 <210> SEQ ID NO: 6
107 <211> LENGTH: 23

```

## RAW SEQUENCE LISTING

DATE: 02/26/2002

PATENT APPLICATION: US/10/067,543

TIME: 13:48:17

Input Set : A:\seqlist 0942\_5230001 ascii

Output Set: N:\CRF3\02262002\J067543.raw

```

109 <212> TYPE: DNA
111 <213> ORGANISM: Escherichia coli
115 <400> SEQUENCE: 6
116 ccttcgtatg ttgtaacgac gat 23
119 <210> SEQ ID NO: 7
121 <211> LENGTH: 23
123 <212> TYPE: DNA
125 <213> ORGANISM: Escherichia coli
129 <400> SEQUENCE: 7
130 gatgagtatg ttgtaactaa cta 23
133 <210> SEQ ID NO: 8
135 <211> LENGTH: 23
137 <212> TYPE: DNA
139 <213> ORGANISM: Salmonella typhimurium
143 <400> SEQUENCE: 8
144 attaatgtatg ttgtaactaa agc 23
147 <210> SEQ ID NO: 9
149 <211> LENGTH: 23
151 <212> TYPE: DNA
153 <213> ORGANISM: Salmonella typhimurium
157 <400> SEQUENCE: 9
158 gatgagtatg ttgtaactaa atg 23
161 <210> SEQ ID NO: 10
163 <211> LENGTH: 23
165 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
173 <223> OTHER INFORMATION: Replication terminator sequence R6KterR1
175 <400> SEQUENCE: 10
176 ctcttgtgtg ttgtaactaa atc 23
179 <210> SEQ ID NO: 11
181 <211> LENGTH: 23
183 <212> TYPE: DNA
185 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
191 <223> OTHER INFORMATION: Replication termination sequence R6KterR2
193 <400> SEQUENCE: 11
194 ctattgagtg ttgtaactac tag 23
197 <210> SEQ ID NO: 12
199 <211> LENGTH: 23
201 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
209 <223> OTHER INFORMATION: Replication termination sequence R100 TerR1
211 <400> SEQUENCE: 12
212 attatgaatg ttgtaactac ttc 23
215 <210> SEQ ID NO: 13
217 <211> LENGTH: 23
219 <212> TYPE: DNA

```

## RAW SEQUENCE LISTING

DATE: 02/26/2002

PATENT APPLICATION: US/10/067,543

TIME: 13:48:17

Input Set : A:\seqlist 0942\_5230001 ascii

Output Set: N:\CRF3\02262002\J067543.raw

```

221 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
227 <223> OTHER INFORMATION: Replication termination sequence R100TerR2
229 <400> SEQUENCE: 13
230 tgtctgagtg ttgtaactaa agc 23
233 <210> SEQ ID NO: 14
235 <211> LENGTH: 23
237 <212> TYPE: DNA
239 <213> ORGANISM: Artificial Sequence
243 <220> FEATURE:
245 <223> OTHER INFORMATION: Replication termination sequence R1TerR1
247 <400> SEQUENCE: 14
248 attatgaatg ttgtaactac atc 23
251 <210> SEQ ID NO: 15
253 <211> LENGTH: 23
255 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
263 <223> OTHER INFORMATION: Replication termination sequence R1TerR2
265 <400> SEQUENCE: 15
266 tttttgtgtg ttgtaactaa att 23
269 <210> SEQ ID NO: 16
271 <211> LENGTH: 23
273 <212> TYPE: DNA
275 <213> ORGANISM: Artificial Sequence
279 <220> FEATURE:
281 <223> OTHER INFORMATION: Replication termination sequence RepFICTerR1
283 <400> SEQUENCE: 16
284 attatgaatg ttgtaactac att 23
287 <210> SEQ ID NO: 17
289 <211> LENGTH: 23
291 <212> TYPE: DNA
293 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
299 <223> OTHER INFORMATION: Replication termination sequence St90kbTer
301 <400> SEQUENCE: 17
302 attttggatg ttgtaactat ttg 23
305 <210> SEQ ID NO: 18
307 <211> LENGTH: 30
309 <212> TYPE: DNA
311 <213> ORGANISM: Bacillus atrophaeus
315 <400> SEQUENCE: 18
316 gaactaaata aactatgtac caaatgttca 30
319 <210> SEQ ID NO: 19
321 <211> LENGTH: 30
323 <212> TYPE: DNA
325 <213> ORGANISM: Bacillus atrophaeus
329 <400> SEQUENCE: 19
330 taactgaaaa cactatgtac taaatattca 30

```

## RAW SEQUENCE LISTING

DATE: 02/26/2002

PATENT APPLICATION: US/10/067,543

TIME: 13:48:17

Input Set : A:\seqlist 0942\_5230001 ascii

Output Set: N:\CRF3\02262002\J067543.raw

```
333 <210> SEQ ID NO: 20
335 <211> LENGTH: 30
337 <212> TYPE: DNA
339 <213> ORGANISM: Bacillus mojavensis
343 <400> SEQUENCE: 20
344 gaacaaaaca aactatgtac caaatgttca 30
347 <210> SEQ ID NO: 21
349 <211> LENGTH: 30
351 <212> TYPE: DNA
353 <213> ORGANISM: Bacillus mojavensis
357 <400> SEQUENCE: 21
358 aaactgagaa tactatgtac taaatattca 30
361 <210> SEQ ID NO: 22
363 <211> LENGTH: 30
365 <212> TYPE: DNA
367 <213> ORGANISM: Bacillus vallismortis
371 <400> SEQUENCE: 22
372 atactaaaaa tatgatgtac taaatattca 30
375 <210> SEQ ID NO: 23
377 <211> LENGTH: 30
379 <212> TYPE: DNA
381 <213> ORGANISM: Bacillus amyloliquefaciens
385 <400> SEQUENCE: 23
386 taacaaatta ttccatgtac taaatattct 30
389 <210> SEQ ID NO: 24
391 <211> LENGTH: 30
393 <212> TYPE: DNA
395 <213> ORGANISM: Bacillus subtilis 168
399 <400> SEQUENCE: 24
400 gaactaatta aactatgtac taaattttca 30
403 <210> SEQ ID NO: 25
405 <211> LENGTH: 30
407 <212> TYPE: DNA
409 <213> ORGANISM: Bacillus subtilis 168
413 <400> SEQUENCE: 25
414 atactaattg atccatgtac taaattttca 30
```

## VERIFICATION SUMMARY

DATE: 02/26/2002

PATENT APPLICATION: US/10/067,543

TIME: 13:48:18

Input Set : A:\seqlist 0942\_5230001 ascii

Output Set: N:\CRF3\02262002\J067543.raw

L:21 M:270 C: Current Application Number differs, Replaced Current Application No

L:21 M:271 C: Current Filing Date differs, Replaced Current Filing Date